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GROUP 110

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of

Martin KADNER, et al

Serial No. 08/039,498

Group Art Unit: 1103

Filed: April 28, 1993

Examiner: G. Straub

For: THE PROCESS FOR PRODUCING ALUMINUM OXIDE

April 4 1994

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Responsive to the Office Action dated November 16,
1993, please amend the above-identified application as
follows:

IN THE CLAIMS:

Cancel claims 1-8 and insert therefor the following
claims:

9. In a process for producing aluminum oxide beads,
said process comprising converting a member of the group
consisting of an acid aluminum oxide sol and an acid alumi-
num oxide suspension having a viscosity of 10 to 500 mPa.s
into hydrasol droplets, coagulating said droplets in an
aqueous ammonia solution to form gel beads, and aging,
washing, drying and calcining the gel beads;

the improvement in which said hydrosol droplets are
formed by passing said member of the group consisting of an
acid aluminum oxide sol and an acid aluminum oxide suspen-
sion through a vibrating annular nozzle plate, which is vi-
brated at a frequency of 10 Hz to 20,000 Hz, said vibrating
plate having several nozzles, pre-solidifying said droplets